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TO: United States Patent and Trademark Office
Examiner: Howard L. Williams
Group Art Unit: 2819

FROM: Steven M. Mills

FAX NO: (703) 872-9306

DATE: November 19, 2004

RE: U.S. Patent Application
"Layout Method of a Comparator Array for Flash
Type Analog to Digital Converting Circuit," by Hee-Cheol Choi
U.S. Serial No.: 10/687,084
U.S. Filing Date: October 16, 2003
Our Reference: SAM-0485

NUMBER OF PAGES INCLUDING COVER SHEET: 21**REMARKS:**

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PATENT
Attorney Docket No.: SAM-0485
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hee-Cheol Choi

Serial No.: 10/687,084

Filing Date: October 16, 2003

Title: LAYOUT METHOD OF A COMPARATOR ARRAY FOR FLASH TYPE
ANALOG TO DIGITAL CONVERTING CIRCUIT

Examiner: Williams, Howard L.
Group Art Unit: 2819

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Chelsey Davis

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

TRANSMITTAL LETTER

Sir:

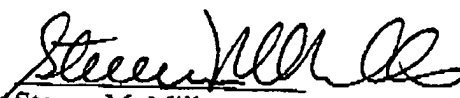
Enclosed herewith for filing in the above-identified patent application please find the following listed items:

1. Fee Transmittal for FY 2005;
2. Request for Continued Examination (RCE) Transmittal; and
3. Amendment.

In connection with the foregoing matter, please charge \$790.00 fee believed to be due, or any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Date: 11/19/04
Mills & Onello LLP
Eleven Beacon Street, Suite 605
Boston, MA 02108
Telephone: (617) 994-4900
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Steven M. Mills
Registration Number 36,610
Attorney for Applicants

PATENT
Attorney Docket No.: SAM-0485
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hee-Cheol Choi
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Registration Number 36,610
Attorney for Applicants

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 790.00)

Complete if Known

Application Number	10/687,084
Filing Date	October 16, 2003
First Named Inventor	Hee-Cheol Choi
Examiner Name	Williams, Howard L.
Art Unit	2819
Attorney Docket No.	SAM-0485

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Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 180	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

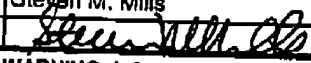
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	2460 130	Petitions to the Commissioner	
1807 50	2807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	2808 180	Submission of Information Disclosure Stmt	
8021 40	28021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	790.00
1802 900	2802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 790.00)

SUBMITTED BY

Name (Print/Type)	Steven M. Mills	Registration No. (Attorney/Agent)	36,610	Telephone	617.994.4900
Signature		Date	11/19/04		

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